BIDDER'S PACKAGE

STILLWATER COUNTY

SOLICITATION FOR BIDS FOR NINE (9) NEW 2024 MOTOR GRADERS

(Preapproved Models: Caterpillar 140M3 AWD,
John Deere 772GP AWD, or Equivalent)

APRIL 2023

TABLE OF CONTENTS

Page

Invitation to Bidders 3

General Information for Bidders 4

Bidder's Submission Requirement.....7

Signature Page 9

Specifications 10

Addendum to Specifications 18

Warranty and Availability 19

Affidavit of Non-Collusion 21

Bidder's Checklist 22

NOTICE
INVITATION TO BID
LEASE OF NEW MOTOR GRADERS

Stillwater County is seeking Sealed Bids for nine (9) new 2024 motor graders with five-year lease contracts and five-year warranties. Bids may be mailed or delivered to Stillwater County Clerk & Recorder at the Stillwater County Courthouse, PO Box 795, 400 E 3rd Ave N, Columbus, MT 59019. All bids must be received no later than 4:00 p.m. on Monday, May 22, 2023. Bids will be opened and read aloud at 9:30 A.M. on Tuesday, May 23, 2023, in the first- floor meeting room of the Stillwater County Courthouse at 400 E 3rd Ave N, Columbus, MT. All sealed bids must be clearly marked "**Motor Grader Lease Bid**."

The Bidder's Package and a detailed list of preferred specifications can be obtained at www.stillwatercountymt.gov or by contacting the Stillwater County Road/Bridge Superintendent by calling (406) 322-5335, between 7:00 a.m. and 5:30 p.m., Monday through Thursday.

No bids may be withdrawn after the scheduled time for public opening of the Bids. The County Commissioners reserve the right to reject any and all bids received, to waive bid irregularities, to postpone the awarding of a contract for a period not exceeding thirty (30) days, and to accept the bid which is in the best interest of Stillwater County.

Publish: 5/04/2023 and 5/11/2023

GENERAL INFORMATION FOR BIDDERS

1. Bid Opening. The Stillwater County Commissioners will receive bids for a five- year lease contract from persons or entities capable of supplying nine (9) new 2024, diesel powered, articulated frame motor graders as described in the specifications included herein. Bids shall be opened and read aloud at a meeting of the Commissioners to take place on the 23rd day of May, 2023, at the time of 9:30 a.m. in the first-floor meeting room of the Stillwater County Courthouse.

2. Notice. Notice is being published in the Stillwater County News, (a copy of the notice is included with this package) with publication dates of May 04, 2023 and May 11, 2023. All interested and capable persons or entities are invited to submit bids as instructed in this package.

3. Bid Security. Pursuant to Section 18-1-201, Montana Code Annotated, the Board of Commissioners must require a bid security. Each bid must be accompanied by security in a form specified below, and in an amount equal to ten percent (10%) of the bid without deduction for the value of the possible trade in equipment, and payable to Stillwater County.

According to the above cited statute, bid security is required "as a condition precedent to considering any such bids, as evidence of good faith on the part of the bidder, and as indemnity for the benefit of such public authority against the failure or refusal of any bidder to enter into any written contract that may be awarded upon and following acceptance of (a) bid…" Thus, if a bidder is selected and requested to enter into the contract, and the bidder refuses to enter into the contract, the bid security shall be forfeited in its entirety to Stillwater County.

Pursuant to Section 18-1-202(3), Montana Code Annotated, a bid bond or other form of security specified in Section 18-1-203 constitutes compliance with the requirement for bid security.

The form of the bid security is specified in Section 18-1-203, Montana Code Annotated, as follows;

> "(1)(a) In all cases under 18-1-202(1), the bidder, offeror, or tenderer shall accompany and bid with either:
>
> (i) lawful money of the United States;
>
> (ii) a cashier's check, certified check, bank money order, or bank draft, in any case drawn and issued by a federally chartered or state-chartered bank insured by the federal deposit insurance corporation; or
>
> (iii) a bid bond, guaranty bond, or surety bond executed by a surety corporation authorized to do business in the state of Montana. If a financial guaranty bond or surety bond is provided to secure the

purchase of indebtedness, the long-term indebtedness of the company executing the financial guaranty bond or surety bond must carry an investment grade rating of one or more nationally recognized independent rating agencies.

(b) The public authority soliciting or advertising for bids may not require that a bid bond, guaranty bond, or surety bond provided for in subsection (1)(a)(iii) be furnished by a particular surety company or by a particular insurance producer for a surety company.

(2) The money or, in lieu of money, the bank instruments or bid bonds, financial guaranty bonds, or surety bonds must be payable directly to the public authority soliciting or advertising for bids."

The bid security of unsuccessful bidders shall be returned. The successful bidder's bid security shall be returned upon the execution of the Lease Contract by all required parties, and the County's acceptance of the delivered product(s) after an initial inspection.

4. Contract. The successful bidder will be expected to enter into a lease contract with Stillwater County within the specified time frame, specifically within thirty (30) days. Each bidder shall include its proposed leasing terms with this bid package. Stillwater County reserves the right to make changes to the contract which do not affect the substantial rights of the parties.

All bids shall remain effective for a period of thirty (30) days from the date of opening. It is during this time frame the successful bidder will be expected to enter into the lease contract as stated above.

5. Waiver of irregularities and informalities. Stillwater County reserves the right to waive any irregularity or informality in any bid. Further, Stillwater County reserves the right to reject any and all bids for any reason.

6. Basis of Award. Determination of the successful bid shall be dependent on the lowest responsible bid submitted.

Consideration will be given, but is not limited to, cash flow, lease terms, delivery date, equipment service guarantees, parts and service availability, parts and service facilities locations, analysis and comparison of equipment specification details, and past experience of Stillwater County with similar or related equipment.

7. Resident Bidder Preference. Pursuant to Section 18-1-102, Montana Code Annotated, Stillwater County will award the contract "to the lowest responsible bidder without regard to residency. However, a resident must be allowed a preference on a contract against the bid of a nonresident if the state or country of the nonresident enforces a preference for residents. The preference must be equal to the preference given in the other state or country."

According to Section 18-1-113, Montana Code Annotated, any bidder seeking a preference shall be required to file, along with the bid, an affidavit, specifying in detail, as determined by rule by the department, the basis upon which the bidder claims a preference.

8. Non-Discrimination. The successful bidder shall be expected to abide by all provisions of state and federal law regarding discrimination. One such provision, in Montana law is Section 49-3-207, Montana Code Annotated, states Non-Discrimination; "[e]very state or local contract or subcontract for construction of public buildings or for other public work or for goods or services must contain a provision that all hiring must be on the basis of merit and qualifications, and a provision that there may not be discrimination on the basis or race, color religion, creed, political ideas, sex, age, marital status, physical or mental disability, or national origin by the persons performing the contract."

9. Laws and Regulations. Each bidder is expected to be familiar with and abide by all laws of the federal, state and local governments regarding its obligations in bidding and performing public contracts.

10. Warranty. In order to guarantee the cost of repairs and minimize downtime for Stillwater County, each bidder shall include with its bid a total machine warranty, for a period of five (5) years, or five thousand (5,000) hours of operation from date of delivery.

11. Questions. Should any bidder have any questions about the specifications, or any provision or other information contained in the bidder's package, the bidder may direct inquiries to the Finance & Human Resources Department, Stillwater County, phone 406.322.8014. Any clarification information, or any changes made to any information in the bidder's package shall be provided to all potential bidders who have obtained a copy of the specifications from Stillwater County.

BIDDER'S SUBMISSION REQUIREMENTS

A sealed bid shall be submitted by each bidder. Sealed bids must be received by Stillwater County Clerk & Recorder in the Stillwater County Courthouse, PO Box 795, 400 E 3rd Ave N, Columbus, MT 59019, no later than 4:00 o'clock p.m., Monday, May 22, 2023. Bidders are expected to abide by the following requirements.

Each bid and accompanying documents shall be submitted in a standard 8 1/2 x 12, or larger manila envelope. The manila envelope shall be sealed, and **"Motor Grader Lease Bid."** shall be written or typed on the outside of the envelope.

The following documents shall be included in the manila envelope, in the following order:

1. Proposed Lease Contract. The proposed lease contract shall succinctly and completely enumerate all the terms, conditions, restrictions and limitations of the bidder's proposal and be signed by an authorized agent of the bidding company, including but not limited to:

a. Annual governmental fixed interest rate.

b. Guaranteed buy-back repurchase amount for nine (9) bid motor graders at the end of five (5) years or five thousand (5,000) hours.

c. Bidder's name, address, phone number and signature.

2. Signature page to be attached to the proposed lease contract.

3. Bid Bond. A bid bond must be enclosed and must be in the form as specified in this package. The bid bond must be in the amount of ten percent (10%) of the total amount of the bid for the motor graders, without deduction for the value bid for any of the proposed trade-in items.

4. Warranty Information. The proposed lease contract shall succinctly and completely enumerate all the terms, conditions, restrictions and limitations of the warranty.

5. Delivery Date. Bidder must specify delivery date. Delivery shall be F.O.B. Stillwater County Shop at Columbus, Montana. New graders shall be delivered no later than June 27, 2024. All nine (9) graders shall be delivered within a one-week period. There shall be only one-lease agreement for all nine (9) graders.

6. Affidavit of Non-Collusion (executed and dated.)

7. Completed Specification Pages

8. Other Information. Bidders are encouraged, but not required, to include additional information about their business and any other documents that highlight the benefits of the machine model subject to their bid. (Fuel burn, DEF burn, parts pricing comparisons, etc.)

SIGNATURE PAGE FOR PROPOSED LEASE CONTRACT

The undersigned Bidder hereby covenants and agrees to provide nine (9) 2024, diesel powered, articulated frame all-wheel drive motor graders, as described in the Specifications. The bidder understands that this bid is effective for thirty (30) days from the date of opening.

This signature page shall be affixed to proposed lease contract submitted by the bidder.

Bidder's Name _____

Bidder's Address _____

Bidder's Phone No. _____

_____

Bidder's Signature

SPECIFICATIONS

Please describe all warranties, guarantees, and extended coverages of the motor grader, including an extended service plan.

Pursuant to the Invitation to Bidders, requesting bids for nine (9) new 2024, diesel powered, articulated frame, all-wheel drive motor graders, the following minimum requirements, or substantially similar equivalents, shall be met:

A. All Motor Graders shall meet **OSHA** requirements and specifications on the date of the bid opening and on the date of delivery.

B. No bid will be considered unless accompanied by a bid bond, bank draft, money order, or certified or cashier's check, in the amount of not less than ten percent (10%) of the total amount for the total number of machines bid, without deduction for the value of the possible trade in equipment, as further described in paragraph 3 of the General Information for Bidders in the Bidder's Package.

C. Delivery shall be F.O.B. Stillwater County Shop at Columbus, Montana.

D. Upon delivery, the successful bidder shall include all operating, service, parts and technical repair manuals.

E. Bidder must specify delivery date.

F. All machines shall be the current advertised and produced model, with all the latest changes and features offered as standard, whether or not called for in the bid specifications.

PLEASE INDICATE IN THE FOLLOWING IF THE MACHINES OFFERED CAN MEET THE FOLLOWING MINIMUM DESIRED CONFIGURATIONS. ANY "NO" MUST BE CLARIFIED ON A SEPARATE SHEET IF THE BIDDER DESIRES SUPPORT FOR AN ALTERNATE OR SUBSTANTIALLY SIMILAR SPECIFICATION.

KEY MINIMUM SPECIFICATIONS FOR MOTOR GRADERS

Y_____N_____	Machine shall be designed and built by the manufacturer in the U.S.A.
Y_____N_____	Base Machine Weight shall not be less than **39,609 lbs** (17966 kg). Weight shall include: standard machine configuration, lubricants, coolants, full fuel tank and operator of 200 lbs (91 kg). **No Exceptions.**
Y___N___ Y	Minimum 270 or greater net engine horsepower.
N___ Y___N	Minimum **35,648** lbs of moldboard blade pull. **No Exceptions.**
Y___N___ Y	Minimum **17,894** lbs blade down force. **No Exceptions.**
N___	EH (electro-hydraulic) Joystick steering or steering wheel. Factory installed **cross-slope** blade control. **No Exceptions.**

ENGINE

Y___N___ Y Engine shall be designed and built by the manufacturer.

N___ Y___N Engine shall be a turbo-charged, direct injection, four stroke, 6-cylinder diesel engine.

Y___N___ Y Engine shall be certified EPA **Tier 4 Final** and European Union Stage IV

N___ Engine shall be electronically controlled for more efficient fuel injection and fuel burn.

Engine shall achieve rated power requirement with engine displacement not less than 9.0L (548 in^3) for better performance and fuel economy.

Y____N____

Y____N____ Engine shall develop as standard while AWD is ON 270 HP or greater

Engine will increase its low idle speed to 1,000 rpm when the battery voltage is below 24.5 volts for more than 5 minutes to ensure adequate system voltage and battery reliability.

Y____N____

Altitude derating will not occur at altitudes less than 10,000 ft (3050 m). The deration rate above 10,000 ft (3050 m) shall be 1.5% per 1000 ft (305 m).

Y___N___ Y

N_____ Y Peak engine power shall not be achieved at an engine speed greater than 1800 rpm.

N___ Rated engine power shall not be achieved at an engine speed greater than 2100 rpm.

Engine enclosure and daily service points shall be accessible from ground level and grouped on the left side of the machine.

Y____N____

Engine fan shall automatically adjust fan speed via a variable hydraulic fan pump to meet engine cooling requirements thus reducing demand on the engine, putting more horsepower to the ground, reducing noise, improving fuel economy, and reducing heat.

Y___N___ Y

N___ Y___N Engine shall allow for at least 500 hours of operation between oil changes.

Y_____N___ Engine shall be isolation/resilient mounted to minimize sound and vibration.

Engine compartment doors shall be lockable without the use of external locks.

Y___N___ Y Engine shall automatically lower engine torque and alert the operator if critical conditions are

N___ Y___N detected.

Y___N___ Y Machine shall have a 12000-hour coolant interval from factory.

N_____ Y Economy mode shall be available directly from factory to increase net efficiency.

N___ DEF tank reservoir shall have a heater to thaw DEF fluid.

DEF lines shall be heated to prevent freezing during extremely cold ambient conditions.

Y____N____ A 120V engine coolant heater shall be available to assist in cold weather starting.

Y____N____ Ether starting aid shall be available and must automatically meter ether injection to prevent engine damage.

Extended Life Coolant with embitterment rated down to -58F

Sy-Klone Precleaner designed to handle large debris fields, including snow.

Y___N___ Y

N___ Y___N

POWERTRAIN/TRANSMISSION

Y___N___ Y Transmission shall be designed and built by the machine manufacturer.

N___ Y___N Transmission shall be a direct drive, power shift, countershaft type.

Y_____N___ Transmission shall be equipped with built-in self-diagnostic capability.

Y____N____ Transmission shall have no less than 8 forward speeds and 6 reverse speeds (for added safety).

Transmission shall have 5 working gears between 0-10.6 mph (0-17.1 km/h), for dirt applications.

Transmission shall be isolated/resilient mounted to reduce sound and vibration.

A controlled throttle shifting system shall be standard to smooth directional gear changes without use of the inching pedal.

Electronic Throttle Control (cruise control) shall be standard and shall be controlled by a push button, located on a 3-axis joystick as standard on the right joystick control for resuming and decreasing throttle set.

Y___N___ Y Electronic Throttle Control modes, set and accelerate functions, shall be located on the right control column for easy access.

N_____ Y A load compensating system for the transmission shall be standard to ensure consistent shift quality in all applications.

N___ Automatic Differential Lock/Unlock feature shall be standard and shall not have speed, shuttle shifting or tandem spinning restrictions for engaging/disengaging. System must be load-sensing for optimal performance.

Y____N____ Automatic mode shall not be overridden via manual intervention for optimal performance and to prevent unintended differential engagement

Y___N___ Y Differential Lock/Unlock shall be electro-hydraulically controlled, as a standard feature.

N___ Y___N Differential Lock/Unlock shall be a multi-disc design.

Y___N___ Y Final drive shall be a planetary design.

N___ Diameter at the output end of the transmission shaft shall be no less than 2.29 in (58.1 mm).

Machine shall be equipped with an electronic inching pedal for improved modulation and machine

Y____N____ control.

Machine shall be equipped with electronic over-speed protection to prevent the engine and

Y____N____ transmission from over speeding, as a standard feature.

Y____N____ Machine shall have no drive shafts that cross over the articulation hitch.

An autoshift transmission option shall be provided on all forward and reverse gears.

STEERING & IMPLEMENT CONTROLS

Y____N____ Machine shall be steered by electro-hydraulic joystick or steering wheel or both controls.

BRAKES

Y___N___ Y Machine shall have primary and secondary service brakes.

N___ Y___N Entire braking system shall meet all requirements of ISO 3450: 1996.

Y_____N___ Two separate left and right hydraulic brake accumulators shall be standard for safety.

Y____N____ Parking brake shall be multi-disc, oil-cooled, spring-applied, hydraulically released, sealed, adjustment-free, and integrated into the transmission. Park brake shall not be externally located.

Parking brake shall be serviceable without removing the transmission.

Y____N____

HYDRAULIC SYSTEM

Y____N____ Hydraulic implement pump shall produce between 0 and 55.7 gal/min (210L/min) of oil flow at 2,150 RPM.

Y___N___ Y Hydraulic system shall be a closed center, load sensing type, with a variable displacement, axial piston-type pump.

N___ Y___N The maximum hydraulic system pressure shall be no more than 2,750 psi.

Y_____N___ Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.

Y____N____ Implement pump shall not be mounted under cab floor, minimizing sound and vibration.

Implement valves shall be proportional priority pressure compensating for consistent response,

Y___N___ Y when multi-functioning any combination of implement controls and independent of engine speed.

N_____ Y Implement pump shall be solely dedicated to implement controls and not shared with any other

N___ components.

Lock valves shall be integrated into the main implement valve to prevent cylinder drift.

The hydraulic stand-by pressure shall be no more than 885 psi (6100 kPa) at 2,150 RPM.

Two (2) hydraulic valves for the snow wing and one (1) hydraulic valve for the front lift group shall be provided.

Y___N___ Y
N___ Y___N
Y_____N___ Hydraulic valves shall not be mounted under the cab floor, minimizing sound and vibration.
A sight gauge will be provided for checking hydraulic reservoir fluid.
0W (synthetic) hydraulic oil shall be provided. **No Exceptions**
Hydraulic system shall have a separate oil tank solely dedicated to the implement pump.

Y____N____ **TIRES AND RIMS**
17.5 R 25 MX XSNO+ 1* MP tires mounted on 14” x 25” multi-piece rims shall be provided.
One front and one rear 14” x 25” multi-piece rims with tire spares.

Y____N____ **OPERATORS STATION**
A 42,075 BTU/h (12.3 kW) heater shall have an integral pressurizer and four-speed fan along with A/C.
Y____N____
Cab shall have angled floor design allowing direct visibility to moldboard.
Y____N____
Seat shall be a cloth-covered suspension seat with, 3-inch (76 mm) retractable seat belts, with adjustments for fore-aft position, seat height, seat back angle, thigh support, and lumbar support.
Y____N____
A heated or both heated/ventilated seat shall be available.
Y____N____
An enclosed cab with ROPS (Rollover Protective Structure) according to ISO 3471shall be provided.
Y___N___ Y
N___ Y___N
Y_____N___ Cab shall be isolation-mounted to the front frame section of the machine.
Cab shall have fixed front window of laminated glass with intermittent wiper.
FOPS (Falling Object Protective Structure) shall be provided according to ISO 3499.
Y____N____
Machine shall have no less than 17 adjustable vents, positioned to direct air to front windows and operator.
Y____N____
AM/FM /CD Radio, 24V to 12V converter, two speakers, antenna and wiring shall be provided.
Y____N____ An instrument cluster shall be provided that includes a speedometer, tachometer, coolant temperature, fuel and articulation angle gauge.
Y____N____ Operator cab fresh air-filter shall be accessible for clean out and replacement, from outside of the cab at ground level.
A real-time information system shall monitor all system data and alert the operator of any faults through a digital text display. This information system shall be programmable for multiple languages.
Y___N___ Y
N___ Y___N
Y_____N___ Left and right-side cab doors shall be provided.
Wipers shall be provided on side and rear windows.
Y____N____
Digital machine hour meter shall be provided.
An electronic message system shall provide real-time machine performance and diagnostic data.
Y____N____
Y____N____ The forward visibility shall be continuous and unobstructed glass from roofline to floor providing visibility of the blade, heel and toe, back of the cutting edge, and front tires.
Y___N___ Y
N___ Y___N
Y_____N___ Access to cab shall be three anti-skid steps.
Cab shall have cup holder, personal cooler holder/storage compartment for operator's manual, with a molded floor mat.
Window washer fluid bottle refill spout shall be located external of the cab.
Y____N____ DEF gauge must be visible to the operator at all times.
An auxiliary control pod, with implement float control capability, shall be available.
Y____N____ Auxiliary controls shall be available for control of attachment implements and/or work tools, and shall be programmable via computer software.
Auxiliary controls shall be a fingertip control type and located beside the right-hand joystick control.
An auxiliary, 2-Axis, joystick, shall be available for control of a snow wing.

Y____N____ A rear-view camera with Integrated display and wiring shall be provided with capability to view at all times without interfering with the gauge and diagnostic display.

Y____N____ A side-mounted camera with Integrated display and wiring shall be provided with capability to view at all times without interfering with the gauge and diagnostic display for the snow wing.

Y___N___ Y A rear defroster fan shall be provided.

N___ Y___N An air suspension seat shall be provided.

Y_____N___ A rear sun shade shall be provided.

Machine shall have integrated Cross Slope installed at the factory.

Y____N____ Machine shall have a display for cross slope information that is separate from critical machine information such as engine RPM, ground speed and fluid temperature monitoring to ensure safe operation.

CIRCLE & MOLDBOARD

Y____N____ The standard moldboard shall be at least 14 ft long, 27 in high, and no less than 1 in thick.

Y____N____ Drawbar wear strips shall be replaceable drop-in inserts made from nylon composite material, replaceable and adjustable from the top of the drawbar plate via removable cover plates.

Y____N____ The drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.

Y____N____ Moldboard shall have a bank slope angle capability of at least 90 degrees to both sides.

Y____N____ Moldboard side-shift cylinder shall be installed on the left-hand side, to prevent snow wing interference, with the cylinder rod.

Y____N____ Moldboard shall have no less than 16.3 in (413 mm) arc radius (blade curvature) for optimum productivity.

Y____N____ The moldboard retention system shall have no more than two retention points located on the left and right side of the moldboard. The surface area shall not be less than 50408 mm² (78.13 in²).

Y____N____ Moldboard shall have a hydraulic tip control through a range of 40 degrees fore and 5 degrees aft.

Y____N____ Moldboard wear strips shall be adjusted with lock screws, providing shim-less adjustment capability both vertical & horizontal.

Y____N____ The moldboard shall be pre-stressed during manufacturing for superior strength and durability.

Y____N____ Moldboard slide rails shall be constructed of a heat-treated, high carbon steel and have replaceable bronze alloy wear inserts on top and bottom.

Y____N____ Circle shall be a single piece, rolled-ring forging, with raised wear surfaces on the top and bottom.

Y____N____ Circle shall be rotated by a hydraulically driven motor with a minimum circle pinion torque capability of 44253 ft-lb (60,000 N-m).

Y____N____ Circle teeth contact surfaces shall be induction-hardened on the front 240 degrees of the circle.

Y____N____ Blade lift and center shift cylinders shall have replaceable bronze-alloy wear inserts in the ball sockets with removable shims to ensure the ability to remove free play throughout the useful wear insert life.

Y____N____ The lift cylinder casting shall be welded to the front frame for added strength and structural integrity.

Y____N____ The standard mounting hardware for cutting edges and end bits shall be 3/4 in (19 mm)

Y____N____ Link bar shall have 7 positions for increased versatility, the 7 inner-most of which bear replaceable bushings.

Y____N____ Linkbar pin shall be separate from pin pulling mechanism for easier service and lower O&O costs.

Y____N____ The draft frame pivot connection shall have a single ball stud with grease zerk. Ball stud shall be bolt-on, shimable and adjustable to allow for quick and easy field serviceable design.

Y____N____ There shall be 3 side shift anchor positions provided for extended reach capability as standard.

Y____N____ Pinion Gear shall be separate from the Pinion Shaft to allow for a quick and easy serviceable design.

Circle outside diameter shall be no less than 60.2 in (1530 mm).

Y____N____ Throat clearance with standard moldboard shall be at least 166 mm.

Y____N____ There will be no more than 6 replaceable wear inserts between the circle and drawbar providing at least 163 in² (1051 cm²) of wear surface area.

Y____N____ Blade lift accumulators shall be provided, protecting cutting edge and other components from damage from shock loads as an option.

ELECTRICAL

Y____N____ Machine shall have a minimum 150-amp alternator at 24 volts provided which is brushless for increased life and durability.

Y___N___ Y Six 3 x 3 in (76 x 76 mm) halogen mounted cab lights shall be provided.

N___ Y___N Starting system shall be a 24V direct electric type.

Y_____N___ LED white reversing lamps and LED stop lamps shall be provided.

Electrical system shall have a master disconnect switch with a removable key (in addition to the ignition switch), accessible from the ground level.

Y___N___ Y All core machine systems shall be electronically connected, optimizing performance and preventing machine damage.

N_____ Y All wiring shall be arranged and located so as to facilitate regular visual inspections, not be in contact with hot surfaces and not routed with other services lines (e.g., fuel, oil, etc.).

N___ All harnesses / cabling is secured with clipping clamps providing a gap between the conduit/harness and the mounting surface preventing material build-up.

Y____N____ Machine shall have 200 amp-hour, 1400 CCA extreme duty batteries provided.

Y____N____ There will be 2 (3 x 3 in) (76 x 76 mm) halogen mounted lamps on the right-hand side of car roof bar to illuminate a snow wing available.

Y____N____ There will be 2 (3 x 3 in) (76 x 76 mm) halogen heel work lamps mounted underneath the cab provided.

Y____N____ There will be 2 (3 x 3 in) (76 x 76 mm) halogen mid-frame toe lamps shall be available to illuminate moldboard and surrounding area provided.

Y___N___ Y There will be 2 (3 x 3 in) (76 x 76 mm) halogen ripper work lamps shall be provided.

N___ Y___N High and low bar headlights with front and rear turn signals shall be provided.

Y_____N___ An amber LED high-speed strobe beacon shall be provided.

24V to 12V converter with 25-amp capacity shall be provided.

Y____N____

SERVICEABILITY

Machine shall have a lockable swing-out cooling fan housing featuring a latch-style mechanism (shall not be of a bolted design), allowing easy access to cores. Ability to open/close shall be ground level accessible, eliminating need to climb on machine.

Y___N___ Y The dip stick for checking transmission fluid shall be at ground level.

N_____ Y Hydraulic tank site gauge shall be readable from the ground.

N___ Hydraulic tank filter shall be a cartridge style filter providing a separate filter element, housing, and drain valve for quick and clean servicing.

Y____N____ Ability for ground level fueling shall be provided.

Y____N____ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.

Y____N____ A two-way communication tool shall give service technicians easy access to stored diagnostic data and allow configuration of machine parameters.

Machine shall provide 3 points of contact on all areas of the machine, for mounting and dismounting.

Y___N___ Y The articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting machine.

N_____ Y Left and right-side tandem case assemblies shall be covered with punched steel plate to provide an adequate platform for standing and walking.

N___ Sampling ports shall be accessible from the tandem level and provide access to the engine, hydraulic, coolant, and fuel ports.

Y____N____ Engine primary and final fuel filters shall have 500-hour service replacement interval.

Y____N____ Engine shall have primary fuel filter with fuel water separator and electronic sensor, quick release dual stage filter and primer pump.

Y___N___ Y The centralized lube bank shall be at the articulation joint to give access to difficult zerks.

N_____ Y Transmission filter restriction indicator shall be displayed in the cab.

N___ DEF tank fill shall be located on the same side of the fuel tank fill, and be easily accessible from ground level.

SAFETY AND ENVIRONMENTAL

Y____N____ A circle drive slip clutch shall be provided to reduce horizontal moldboard impact damage.

Y____N____ Black glare-reducing paint shall be used on the front frame and engine enclosure to decrease glare from other equipment lights and reflection from the sun and snow.

Y____N____ Operator not present monitoring system will lockout implements, shall not allow gear shift out of neutral, and lock parking brake if system detects operator not present for increased safety.

Y____N____ Hydraulic implement lockout shall be achieved by actuating a single electrical switch within the operator station.

Y____N____ An external emergency kill switch shall be available for ground level engine shut down.

Y____N____ Secondary, electric steering pump with redundant wiring shall be provided as a backup to the primary implement hydraulic pump.

Y____N____ Machine shall have laminated glass for the front windows and doors, to protect the operator from shattered glass.

Y____N____ Machine shall provide dual exits allowing for emergency egress should one side become obstructed.

Y____N____ Electrical system shall have a master disconnect switch with a removable key and lock for added safety. (In addition to the ignition switch).

Y____N____ Machine shall have a steering software system and shall automatically reduce steering sensitivity as the ground speed increases.

Y____N____ Machine shall have back-up lights and sounding alarm when reverse gears are selected.

Y____N____ Environmentally friendly drain valves shall be provided for the hydraulic oil, engine oil, engine coolant, transmission, differential and fuel tank.

Y____N____ Cooling fan shall have both a shroud and rear grill for protection during service.

Y____N____ Machine shall allow cab interior and exterior lights to remain on separate from ignition switch, for safe exit of the machine during night operation.

Y___N___ Y Engine and transmission shall be rubber isolation mounted to reduce noise and vibration.

N___ Y___N Factory installed rear vision camera with integrated display and wiring shall be provided.

Y_____N___ Blade lift accumulators shall be provided to reduce vertical impact damage.

Drop down rear lights (stop/turn signal lights) shall be available to span the profile of the machine, for increased safety

Y___N___ Y

N_____ Y Outside mounted heated mirrors shall be provided.

N___ An engine compartment light shall be provided.

A seatbelt indicator sensor and light shall be provided.

OPTIONAL ATTACHMENTS

Y____N____ Rear ripper shall have 5 ripper shank holders and 9 scarifier shank holders with 3 ripper shanks and 9 scarifier shanks.

Y____N____ Three (3) ripper shanks and nine (9) scarifier teeth shall be provided.

Y____N____ All core machine systems shall be electronically connected optimizing performance and preventing machine damage.

Y____N____ Front & rear fenders shall be provided.

Y____N____ An integrated communication tool providing flow of vital machine data and location shall be available. This system shall give automatic updates on machine parameters such as machine hours, machine condition, location, fault codes and alarms.

Y____N____ Machine shall have a transmission solenoid valve guard provided.

Y____N____ Nine (9) New Balderson-style hydraulic front lift group shall be provided & installed and confirm proper installation and functions work properly.

Y____N____ Nine (9) New Henke or equivalent snow wings, Henke or equivalent post-less snow wings shall have adapter plates and hydraulic mounting for Henke or equivalent snow wings. At least one machine minimum must be mounted and tested to confirm operation and confirm the remaining machines are the same mounting and hydraulic configuration.

Y____N____ Machine will have belly pans for transmission and rear differential.

Y____N____ Nine (9) New front U, V Angle blade be provided and installed on the front balderson lift group and confirm installation and all operating functions work properly.

Y____N____ New snow lift gates be provided and installed on right side of moldboard and confirm proper installation and operating functions work properly.

Y____N____ Nine (9) New V-plows model V-9.5 Henke or Falls V-90 or equivalent be provided & mounted confirming proper installation and functions work properly.

ALL WHEEL DRIVE SYSTEM

Y____N____ Standard with AWD, this model disengages the transmission and provides hydraulic power to the front wheels only.

Y____N____ The AWD arrangement utilizes dedicated left and right pumps for precise hydraulic control.

Y____N____ When AWD is engaged, flywheel horsepower is automatically increased up to an additional 27 kW (37 hp) compared to the rear drive model.

Y____N____ All Wheel Drive system shall provide a hydrostatic front wheel drive only mode neutralizing the transmission for precise low-speed performance. The ground speed shall be infinitely variable between 0 and 5 mph (8 km/h)

ADDENDUM TO SPECIFICATION PAGES

LIST EXPLANATIONS FOR ANY "NO" ANSWERS BELOW IF CONSIDERATION IS DESIRED.

MACHINE WARRANTY & AVAILABILITY GUARANTEE

The intent of this clause is to guarantee the cost of repairs and minimize downtime to Stillwater County. Therefore, all bidders shall include with their bid:

Machine bid must have a 12-month, full standard warranty. An extended full machine warranty, including parts and labor for required repairs, for a period of five (5) years or five thousand (5,000) hours of operation, from date of delivery. This warranty is to include (by the lessor) lodging, meals, travel time, mileage, consumable items, parts, deductibles, and machine replacement costs. Freight and any transportation of units between County and Lessor will be at Lessor's expense.

Machine inspections, adjustments, and repairs, as prescribed in the maintenance guides, shall be performed in the field (County's location), unless prior, convenience arrangements are made. All engine and other adjustments are a part of warranty. Lessor will do all service to engine and other filters. All lubricant, material replacement, and scheduling, in accordance with the recommended maintenance guide in the Operator's Manual, will be a part of the warranty.

The only exclusions are to be wear items such as tires, cutting edges, wear slides, glass, etc.

Warranty repairs will be provided during regular working hours. If the County requests that work be done outside of regular working hours, which results in overtime, the County will pay the differential between regular time and overtime wage. Dealer will provide scheduled oil sampling for analysis from date of delivery.

Dealer will provide the oil sample bottles & the expense of processing the oil samples.

The lessor shall have the capability to provide transportation for the disabled unit to repair if necessary. Warranty related machine transport costs to the repair facility or travel time will be provided by the lessor for five (5) years or five thousand (5,000) hours.

95% Guaranteed Machine Availability. Lessor guarantees that the machine shall be operable and available for use by the County for at least 95% of the County's work year, which shall be calculated based on a 2080-hour work year. After any continuous downtime, which exceeds 40 work week hours, Lessor shall provide County with a replacement machine that is comparable to the motor grader purchased under this bid proposal. If Lessor fails to provide County with a comparable replacement machine, County shall charge Lessor with an hourly

assessment of $100.00 per hour for any downtime in excess of 5% of the work year; such assessment shall be made on the anniversary date of delivery.

County shall make the machines available for repairs and inspection upon reasonable request and notice by the Lessor.

AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty of perjury;

(1) That I am the bidder (if bidder is an individual), a partner in the bidder (if the bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the bidder is a corporation);

(2) That the attached bid or bids have been arrived at by the bidder independently, and have been submitted without collusion with, and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid, designed to limit independent bidding or competition;

(3) That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such person prior to the official opening of the bid or bids; and,

(4) That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

SIGNED: _____ **FIRM NAME: _____**

DATE: _____ **ADDRESS: _____**

Subscribed and sworn to before me this _____day of _____, 2023.

_____

Notary Public for the State of _____

_____

Printed Name: _____

Residing At: _____

My Commission Expires: _____

BIDDER'S EMPLOYER IDENTIFICATION NUMBER (EIN): _____
(Number used on Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941)

BIDDER'S CHECKLIST

Please be sure you have completed the following prior to submitting your bid:

1. Read and understood the specifications.

2. Enclosed all documents listed in the Bidder's Submission Requirements (pg. 7 & 8 of Bidder's Package).

3. Made yourself familiar with any State laws that pertain to this bid.

4. Asked any questions, and received answers, regarding the bid procedure, specifications, or general information.

*** **NOTE:** **Any bid that is not properly addressed, or that is delivered past the date and time indicated on the invitation to bid, will be invalid and will not be opened or considered.*****